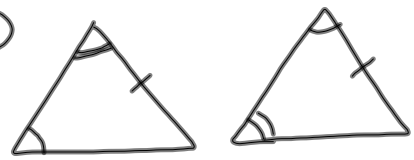
12-13-13
5th Geo

(218)



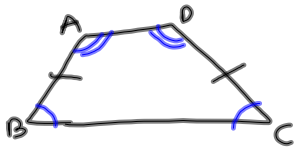
N. P.

$y = \frac{2}{5}x + 4$

$m = \frac{2}{5}$ $\therefore \perp m = -\frac{5}{2}$

(115) ABCD is isosceles trapezoid

AB ≅ CD ∠B is congruent to ? ∠C



(70) (3,4) (5,10)

$y - y_1 = m(x - x_1)$

$m = \frac{\Delta y}{\Delta x} = \frac{10-4}{5-3}$

$= \frac{6}{2} = 3$

$y - 4 = 3(x - 3)$

$y - 4 = 3x - 9$

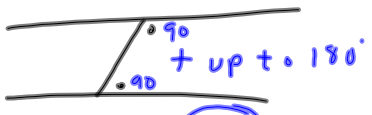
$+4 \quad +4$

$y = 3x - 5$

(159) Vertical ≅

&

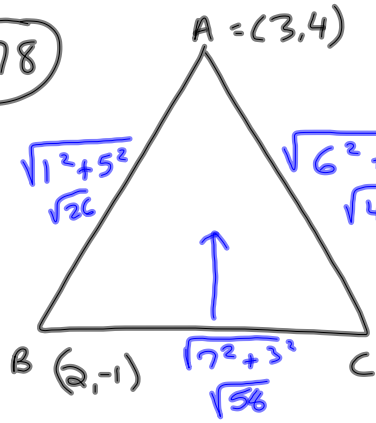
consecutive interior



+ up to 180°

(90°)

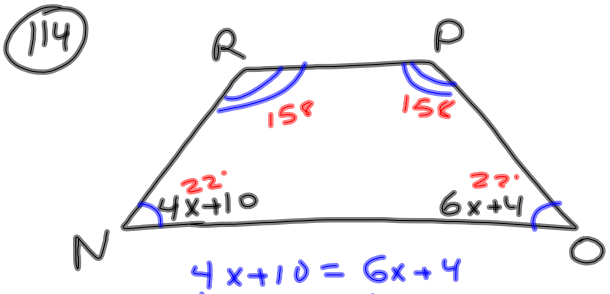
178



$d = \sqrt{\Delta x^2 + \Delta y^2}$

$\angle A$ is largest angle

114



$4x+10 = 6x+4$

$-4x \quad -4x$

$10 = 2x+4$

$-4 \quad -4$

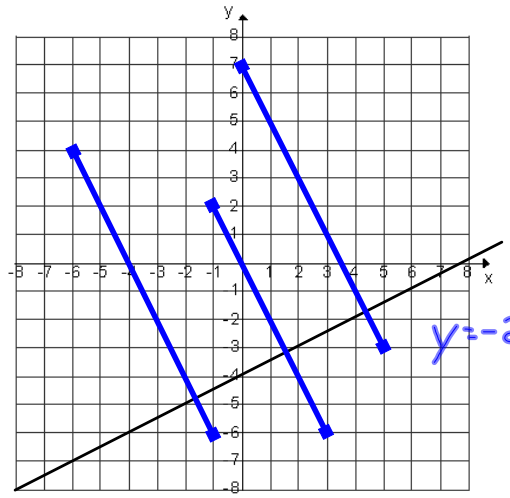
$6 = 2x$

$x = 3$

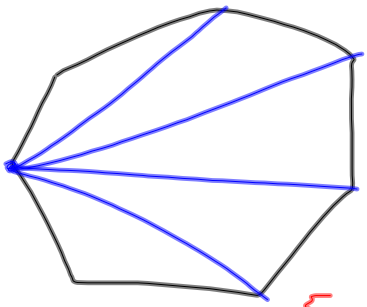
157 $y = \frac{1}{2}x - 4$

$\perp$ $m = -2$

$y = -2x + \square$



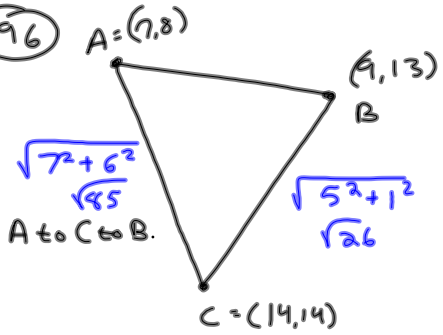
$y = -2x + \square$



7 sides we got 5 Δ's.

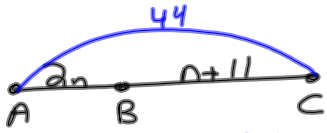
$(n-2)\cdot 180$ = sum of all ∠'s.

(196)



$\sqrt{85} + \sqrt{26} \approx 14.3$

(197)



$AB + BC = AC$

$2n + n+11 = 44$

$3n+11 = 44$

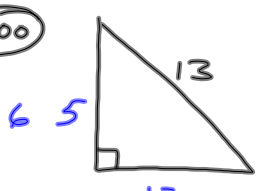
$-11 \quad -11$

$3n = 33$

$n = 11$

$AB = 2 \cdot n = 2 \cdot 11 = 22$

(200)



$5^2+12^2=13^2$ ✓

$6^2+10^2=13^2$ ✗

$A = 30\,cm^2$

$A = \frac{1}{2}bh$

$30 = \frac{1}{2}bh$

$60 = bh$

60

~~1, 60~~

~~2, 30~~

~~3, 20~~

~~4, 15~~

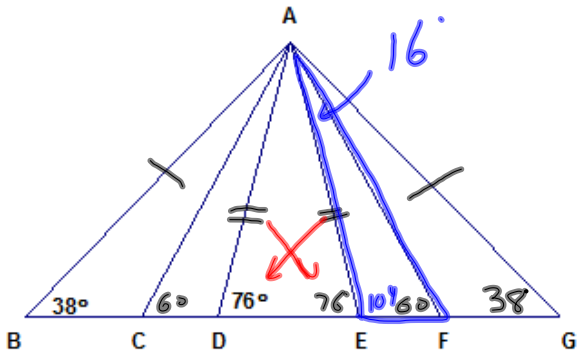
5, 12

6, 10

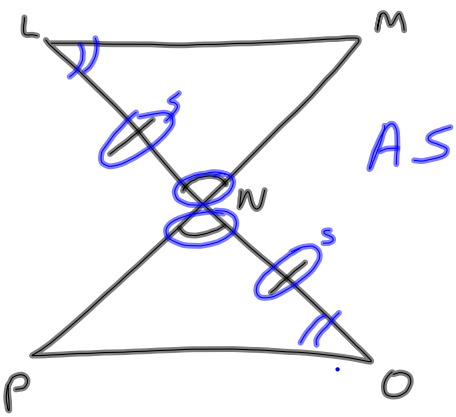
6th Geo
12-13-13

(191)

Figure 1



(150)

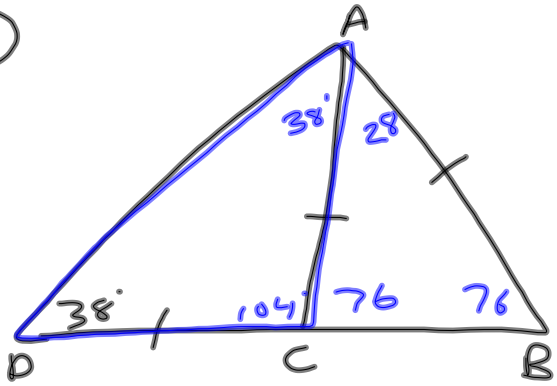


AS

△MNL ≅ △PNO by ASA

∠L = ∠O

(193)



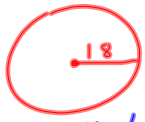
∠CAB = ? 28°

(194) $A = \pi r^2$

$\frac{1017.88}{\pi} = \frac{\pi r^2}{\pi}$

$\sqrt{324} = \sqrt{r^2}$

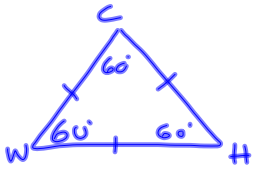
$18 = r$



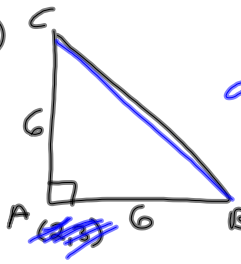
$C = \pi \cdot d$

$= \pi \cdot 36$

(74) If in $\triangle CWH$, $CW = WH$ and $WH = CH$ what is $\angle W$?



(205)



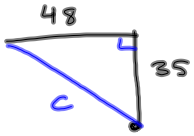
$a^2 + b^2 = c^2$

$6^2 + 6^2 = c^2$

$\sqrt{72} = \sqrt{k^2}$

$c \approx 8.48$

(20)



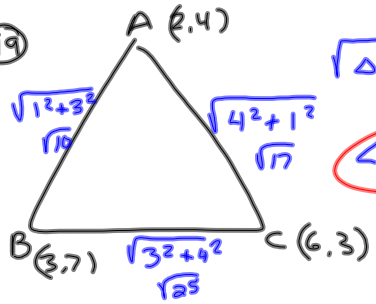
$35^2 + 48^2 = c^2$

$1225 + 2304 = c^2$

$\sqrt{3529} = \sqrt{c^2}$

$59.4 = c$

(99)



$\sqrt{\Delta x^2 + \Delta y^2}$

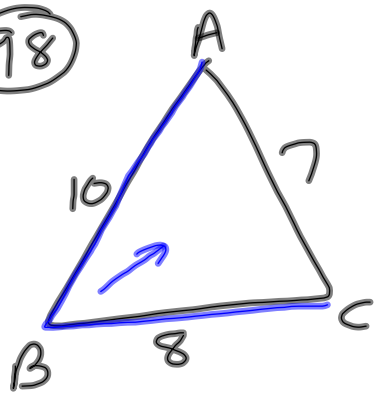
$\sqrt{1^2+3^2}$ $\sqrt{10}$

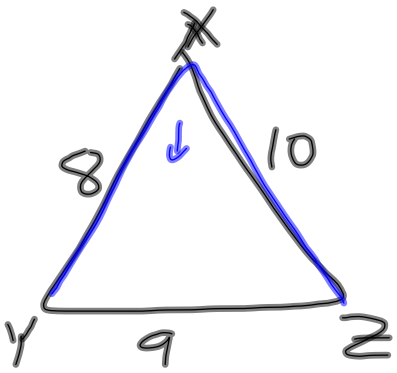
$\sqrt{4^2+1^2}$ $\sqrt{17}$

$\sqrt{3^2+4^2}$ $\sqrt{25}$

$\angle A$ is largest

(98)





$\angle X > \angle B$

(142) $y = 2x + 5$

$m = 2$

$\perp m = -\frac{1}{2}$

$y = -\frac{1}{2}x + \square$